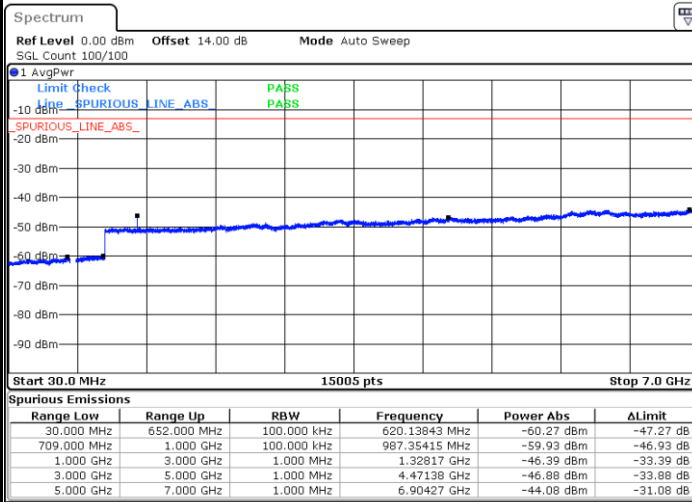




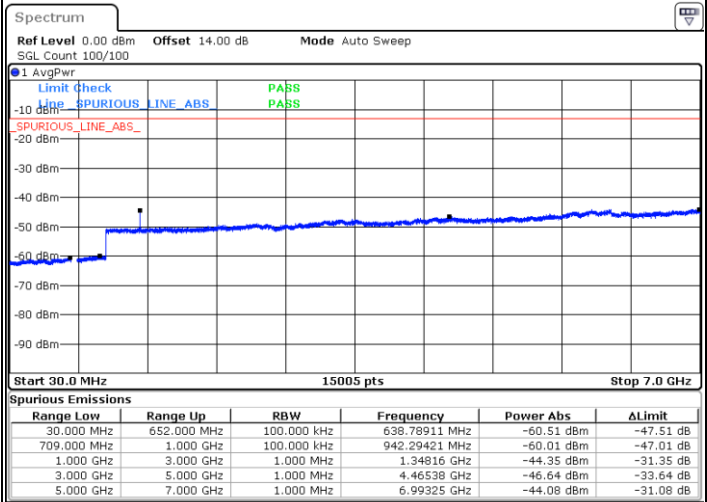
LTE Band 71 / 15MHz

Lowest Channel / 64QAM



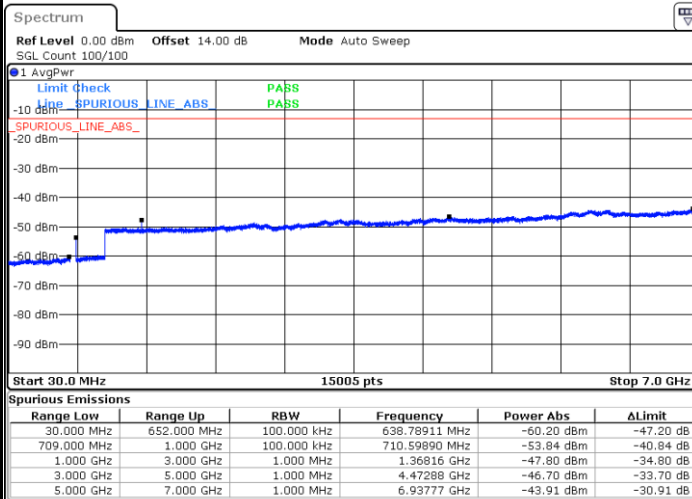
Date: 29.NOV.2022 16:03:58

Middle Channel / 64QAM



Date: 29.NOV.2022 16:04:35

Highest Channel / 64QAM

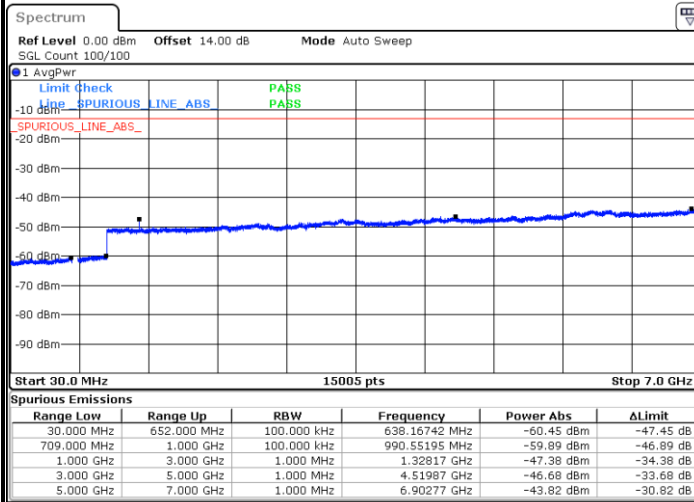


Date: 29.NOV.2022 16:05:11



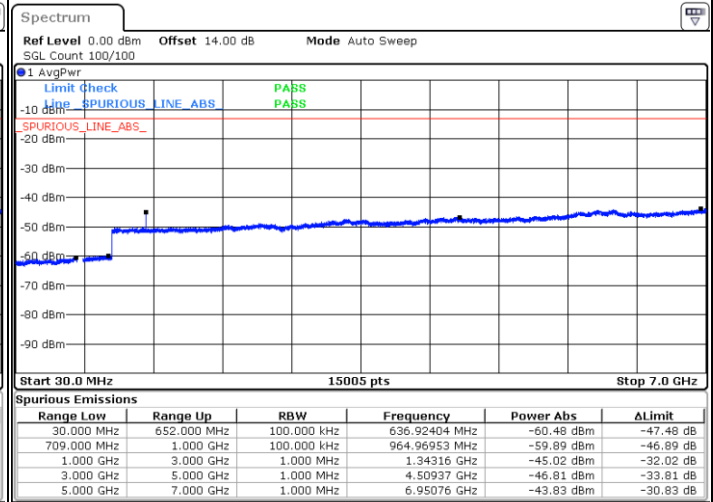
LTE Band 71 / 20MHz

Lowest Channel / 64QAM



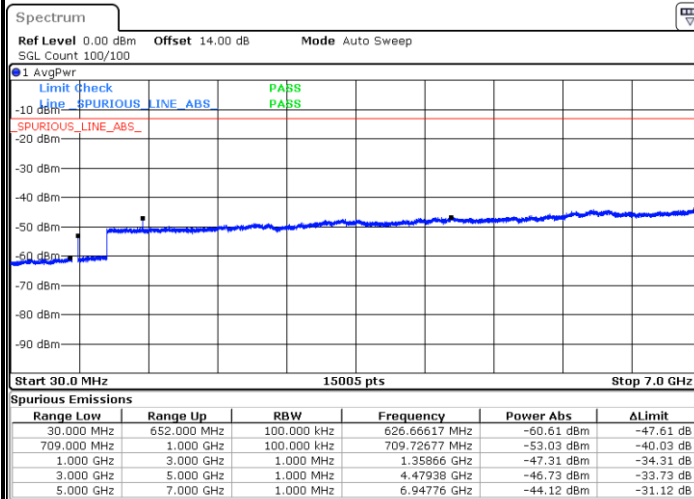
Date: 29.NOV.2022 16:09:30

Middle Channel / 64QAM



Date: 29.NOV.2022 16:10:07

Highest Channel / 64QAM



Date: 29.NOV.2022 16:10:44

Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0049	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0038	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhaohui Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-51.37	-13	-38.37	-62.16	-54.62	4.00	9.40	H
	2109	-61.25	-13	-48.25	-78.72	-64.82	4.88	10.60	H
	2812	-60.28	-13	-47.28	-79.37	-65.21	5.52	12.60	H
	1406	-57.57	-13	-44.57	-69.42	-60.82	4.00	9.40	V
	2109	-61.77	-13	-48.77	-79.03	-65.34	4.88	10.60	V
	2812	-59.49	-13	-46.49	-79.39	-64.42	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 13 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1559.5	-60.10	-42.15	-17.95	-71.39	-63.35	4.00	9.40	H
	2339.25	-60.90	-13	-47.90	-78.88	-64.47	4.88	10.60	H
	3119	-59.32	-13	-46.32	-79.41	-64.25	5.52	12.60	H
	1559.5	-54.73	-42.15	-12.58	-66.64	-57.98	4.00	9.40	V
	2339.25	-60.61	-13	-47.61	-78.96	-64.18	4.88	10.60	V
	3119	-57.11	-13	-44.11	-79.00	-62.04	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 13 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1559.5	-65.21	-42.15	-23.06	-76.50	-68.46	4.00	9.40	H
	2339.25	-60.79	-13	-47.79	-78.77	-64.36	4.88	10.60	H
	3119	-59.45	-13	-46.45	-79.54	-64.38	5.52	12.60	H
	1559.5	-64.40	-42.15	-22.25	-76.31	-67.65	4.00	9.40	V
	2339.25	-60.79	-13	-47.79	-79.14	-64.36	4.88	10.60	V
	3119	-57.72	-13	-44.72	-79.61	-62.65	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 25 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3747	-57.85	-13	-44.85	-80.19	-64.60	5.85	12.60	H
	5620.5	-56.57	-13	-43.57	-80.77	-62.37	7.30	13.10	H
	7494	-55.62	-13	-42.62	-82.02	-58.77	8.35	11.50	H
	3747	-55.25	-13	-42.25	-80.75	-62.00	5.85	12.60	V
	5620.5	-55.97	-13	-42.97	-80.67	-61.77	7.30	13.10	V
	7494	-55.37	-13	-42.37	-81.76	-58.52	8.35	11.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1659.5	-65.66	-13	-52.66	-77.31	-68.91	4.00	9.40	H
	2489.25	-60.56	-13	-47.56	-79.33	-64.13	4.88	10.60	H
	3319	-59.54	-13	-46.54	-80.42	-64.47	5.52	12.60	H
	1659.5	-62.92	-13	-49.92	-75.24	-66.17	4.00	9.40	V
	2489.25	-60.49	-13	-47.49	-79.52	-64.06	4.88	10.60	V
	3319	-58.93	-13	-45.93	-80.51	-63.86	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168.18	-55.37	-25	-30.37	-79.29	-60.93	7.14	12.70	H
	7752.27	-54.42	-25	-29.42	-79.99	-57.72	8.30	11.60	H
	10336.36	-52.92	-25	-27.92	-83.51	-54.44	10.48	12.00	H
	5168.18	-54.10	-25	-29.10	-78.52	-59.66	7.14	12.70	V
	7752.27	-52.42	-25	-27.42	-81.08	-55.72	8.30	11.60	V
	10336.36	-51.25	-25	-26.25	-83.59	-52.77	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 66 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3472	-53.55	-13	-40.55	-75.50	-60.40	5.65	12.50	H
	5208	-57.06	-13	-44.06	-81.28	-62.73	7.13	12.80	H
	6944	-55.21	-13	-42.21	-80.92	-58.61	8.40	11.80	H
	3472	-54.90	-13	-41.90	-76.65	-61.75	5.65	12.50	V
	5208	-56.77	-13	-43.77	-81.16	-62.44	7.13	12.80	V
	6944	-54.88	-13	-41.88	-81.32	-58.28	8.40	11.80	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 71 / 20MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1343	-63.36	-13	-50.36	-73.85	-66.61	4.00	9.40	H
	2014.5	-61.15	-13	-48.15	-78.17	-64.72	4.88	10.60	H
	2686	-59.51	-13	-46.51	-78.69	-64.44	5.52	12.60	H
	1343	-63.96	-13	-50.96	-75.40	-67.21	4.00	9.40	V
	2014.5	-61.50	-13	-48.50	-78.41	-65.07	4.88	10.60	V
	2686	-58.99	-13	-45.99	-78.63	-63.92	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.